



12 Oct 1978

The Missouri Miner, October 12, 1978

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The Missouri Miner

Official Publication of the Students of

University of Missouri-Rolla



Thursday, October 12, 1978

Vol. 65, No. 8

12 Pages



UMR's 1978 Homecoming Queen, Barbara Haintl, leaves the field after her coronation at halftime of the homecoming game. She is escorted by Renny Eisele. (OPI Photo)

Homecoming Queen Crowned

SOURCE: OPI

Barbara Haintl, senior in mechanical engineering at the University of Missouri-Rolla from Jennings, has been chosen 1978 Homecoming Queen in a campus-wide election. Members of the Queen's court are first runner-up, Ann Mills, senior in chemical engineering from Warrensburg, and second runner-up, Lori Robertson, sophomore in engineering management from Ozark.

Announcement of the winners was made at halftime ceremonies during the homecoming football game between the UMR Miners and Cape Girardeau Indians Saturday afternoon, Oct. 7. Of the 27 original candidates, 20 girls are engineering students, three are in computer science and four are students in humanities and social sciences.

Ms. Haintl is president of her sorority, Zeta Tau Alpha. She is a member of several other student organizations including Blue Key and Alpha Phi Omega, honorary service groups, the student chapter of the American Society of Mechanical Engineers, and the intramural program. She was nominated for homecoming

queen by members of Delta Sigma Phi fraternity.

She is the daughter of Mr. and Mrs. Edward Haintl, 2005 Riverwood, Jennings.

Ms. Mills, daughter of Mr. and Mrs. W.R. Mills, 712 Anderson, Warrensburg, is secretary of the UMR Residence Hall Association. She is an active member of GDI (Independent's organization), Phi Kappa Phi scholastic honorary, the Society of Women Engineers and the student chapter of the American Institute of Chemical Engineers. She was nominated for homecoming queen by GDI.

Ms. Robertson is the daughter of Mr. and Mrs. Dale Robertson, 304 McCracken Road, Ozark, and is a pledge in UMR's newest sorority, Sigma Chi Omega. She is currently president of The Sister of the Shield and Diamond (fraternity little sisters' organization), and a member of the Society of Women Engineers, the student chapter of the Engineering Management Association and Phi Eta Sigma (freshman honorary scholastic association). She was nominated by members of the Pi Kappa Alpha fraternity.

Miners Triumph In Defensive Battle, 13-6

By CHRIS RANSOM

The Miners set the Southeast Missouri State Indians right last Saturday afternoon before a large homecoming crowd at Jackling Field. The Miners demoralized the Indians 13-6 as they moved into first place in the MIAA.

Defense once again was the name of the game for UMR as the Miner defense held Southeast to 193 yards total rushing — only 76 in the second half. Southeast came into Saturday's contest as the top rated MIAA defense but the Miners certainly contradicted that title as the rushing statistics indicate.

The game was a rugged, hard hitting defensive battle as was expected. In fact each team was looking more to their defensive units to carry them through. The Miners elected to kick off going with the wind to begin the first half and keep the Indians pinned in their own territory. UMR managed to do what they wanted as they held Southeast to a pair of field goals in first

half action, however left the half trailing 6-3.

The Indians using somewhat the same strategy chose to do the same thing the Miners did the first half — kick off going into the wind — but the Indians were unsuccessful. After the opening kick off in the second half, the Miners drove downfield in 20 plays that consumed seven minutes of play to take the lead, 13-6. Ron Bretz ran the ball in from two yards out and Tom Rosenauer added the extra point.

Rosenauer had quite an exceptional day as he contributed seven total points himself towards the winning effort. Rosenauer booted a 42-yard field in the second quarter and capped the UMR scoring drive with a 47-yarder in last quarter action. Those two field goals provided for Rosenauer's sixth successful attempt in nine tries so far this season. Last season Rosenauer managed only four field goals in 15 tries. Although Rosenauer missed a 43-yard attempt in the first period he more than matched

Southeast's Ed Hotz who booted field goals of 18 and 38 yards respectively in the second quarter.

Southeast, after a see-saw series of try and punt excursions by both teams, tallied the first points of the game at the 14:15 mark in the second quarter with an 18-yard field goal by Ed Hotz. Of course penalties did not help either. UMR was penalized seven times for 91 yards including one misconduct penalty against Craig O'Dear. The penalty came when quarterback Jeff Walters connected with O'Dear towards the corner of the end zone. Angry at the call O'Dear slammed the ball to the ground and was called for unsportsmanlike conduct.

The Miners, placed back at the 33 yardline after the call, edged their way back to the 27 where Rosenauer booted his 42 yarder against the wind. That came at the 9:44 mark in the second quarter.

(Continued on p. 10)

Oil Recovery Process Patented

By GLORIA AVULA

The board of curators for the University of Missouri have filed a patent application a crude oil process developed by two UMR petroleum engineering professors, Herbert Harvey and J.P. Govier. It had taken four years of research for the process to have progressed to the stage where it now stands. The original idea is given credit to Professor Emeritus, Dr. Harvey added refinements over the four year period.

The process is known as "selective electric reservoir heating" it has been designed to recover the petroleum which can not be economically produced by other means. The technique is unique in such a way that heat

can be selectively applied to portions of the oil reservoir that are bypassed by other recovery processes.

The "selective electric reservoir heating" system has not been tested in the field as of yet. The system however, has been studied with models and

computers. In model form it looks promising and quite encouraging according to Dr. Harvey.

An article describing the crude oil production process and how it works in detail is to be published within the next few weeks in the Oil and Gas Journal.

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UMR Soccer!

Fri - 7:30: Concordia-Benefit Party at TKE; Sun-1:00:SMS

Schedule of Events

THE MISSOURI MINER
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All notices to appear in the Schedule of Events section should be typed and deposited in the north door of the Miner office no later than 9:00 P.M. Monday night for Thursday's issue.

Thursday

BETA CHI SIGMA

There will be a meeting Thursday, October 12 at 8:00 in the Ozark Room of the Old Student Union.

GDI-IWC

There will be a GDI meeting at 7:00 on Thursday, October 12 in room 114 CE, followed by a meeting of the IWC.

ROLLA NIGHT IN ST. LOUIS

UMR will hold the annual Rolla Night at the St. Louis Engineers Club, 4359 Lindell Blvd., St. Louis, for high school students at 7:30 p.m., Thursday, Oct. 19. Featured speaker for the program is Chancellor Joseph M. Marchello.

A bus will leave the Parker Hall parking lot at 3 p.m. for participants who wish transportation. There is no charge, but reservations for space on the bus should be made with Patty in the dean's office, School of Engineering. Call 4151.

PHI ETA SIGMA

There will be a Phi Eta Sigma meeting for all active members and prospective pledges Thursday, October 12th in room G-5, Hum. Soc. Sci. Bldg. The guest speaker will be Ed Cox, a parapsychologist who will speak on: The Science of the Paranormal. For further information call Jerry Weiland at 364-1490.

FREE FILMS

The following films will be shown in the ME Auditorium. There is no admission charge and preregistration is not required. This series is presented by the UMR Seminar on the Arts. It is entitled "Tradition in Charge: An Investigation in Contemporary Values Reflected in the Cinema." September 28

October 12

THE GREEN WALL — This Peruvian film deals with a family's adjustment to the jungle and governmental bureaucracy.

Lecture by Dr. Erwin Epstein.

Friday

A TOGA PARTY

On Friday, October 20, at 8:00 Delta Sigma Phi Fraternity is having a Toga party. The party will be held in the Round House at No. 3 Fraternity Row. Of course the appropriate tea and plenty of your favorite beverage will be provided. Dress is optional but we would prefer that you wear a toga. If you don't, come on out anyway and look at all the togas. We guarantee a time you'll never remember so...toga, toga, toga...

NUCLEAR ENERGY FORUM

Here's something for anyone interested in nuclear energy and communicating with people. The local branch of the American Nuclear Society is having its Third Annual Nuclear Energy Communications Forum in St. Louis the weekend of October 20-21.

We're having seminars with speakers from lobbying groups, industry, government, education, and communications consultants. They'll be part of a day long forum about nuclear energy and public awareness and will include background information and communication training.

We've invited 30 other universities from Oklahoma to Michigan and expect over 100 people. Our past two forums were in Kansas City and St. Louis and were also very successful. We intend to have a Friday night pizza mixer and banquet Saturday night, along with breakfast and lunch. We're providing all meals and Friday night lodging free of charge. So if you're interested, come on by the Nuclear Department and tell us. We'll be glad to sign you up.

Saturday

GERMAN TOUR

Al Steinbach, associate professor of German, will conduct a second "German-American Tour to Rich Fountain and Hermann" on Saturday, Oct. 21. The group will visit the church in Rich Fountain and the German School and Museum and the Klerk House in Hermann. Lunch (dutch treat) is scheduled at the Rock House in Hermann and stops will be made at the bakery and the winery.

The bus leaves at 8 a.m. from the parking lot at 11th and Rolla Streets and is expected to return about 5:30 p.m. This is an extension activity of UMR's humanities department. Cost is \$7.50 per person. To register for the tour or for further information, call Norma Fleming, Extension Division, 341-4201.

TAU BETA PI WORK DAY

The UMR chapter of Tau Beta Pi, the national engineering honor society, will hold a work day on Saturday, October 21, from 8:00 a.m. to 5:00 p.m. The day's activities are to raise money for the chapter's freshman scholarship fund.

On October 21, work crews will be available to anyone for whatever job they want done, at whatever price they wish to pay. This is a golden opportunity to put an end to those odd jobs you never seem to get around to.

To secure a work crew before October 21, call Ted Wood at 341-4940 between 6 and 10 p.m., or on work day, October 21, call 341-4524. All participation will be welcomed and appreciated.

Tuesday

INSIGHTS IN PHYSICS

The Society of Physics Students is starting a new series of programs for both physics majors and all other students with an interest in physics. The series, entitled "Insights in Physics," will deal with many of the various fields of physics. This semester, all programs will deal with research being conducted here at UMR.

The first program will be on Tuesday, October 17, and will deal with Solid State Physics-Materials Research. Refreshments will be served at 7:15 and the program will begin at 7:30 in Rm. 104 Physics. After a survey of the work being done in this field, possibly accompanied by slides, a tour of the appropriate research labs will be conducted.

Other programs this semester will cover Cloud Physics and Atomic and Molecular Physics. All students are welcome to any of these programs.

CIRCLE K

Circle K will have a meeting Tuesday, October 17 at 7:30 p.m. at Sigma Nu.

MOTORCYCLE CLUB

The UMR Motorcycle Club will meet Tuesday, Oct. 17 in room G-8 H-SS at 7:00 p.m. Everyone welcome!

TAU BETA PI MEETING

There will be a Tau Beta Pi meeting Tuesday, Oct. 17 in G-5 H-SS. Joel Furk and Dan Ritter from Alcoa will speak on project engineering. Refreshments will be served afterwards. Everyone is welcome.

PI TAU SIGMA

Pi Tau Sigma (National Mechanical Engineering Honor Fraternity) will meet Tuesday, October 17 at 6:30 in Room 210 Mechanical Engineering. Voting for the Purple Shaft Award will be held and new business will be discussed.

Wednesday

CPR COURSES OFFERED

Intercollegiate Knights is sponsoring a course on cardiopulmonary resuscitation open to all interested persons (faculty, staff, students and the public). Anyone will have the opportunity to learn the techniques used in mouth-to-mouth resuscitation and closed heart massage.

The course is offered in two sections. Participants may attend the first session of each section on either Wednesday or Thursday, Oct. 18-19. The first session is a lecture-demonstration class held from 6:30 to 10 p.m. in Room G-5 of the Humanities-Social Sciences Building. The second session is divided into smaller groups meeting in various locations in classes (6:30 to 10 p.m.) scheduled from Oct. 23 through Nov. 1. Participants sign up for the second session on their choice of dates when they attend either of the first classes. Second session classes deal with practical application of techniques offered in the first class.

Instructor for the course is Sergeant Bill Bleckman, University Police. To obtain certification in CPR, participants must attend both sessions of the course. There is no charge for the course.

SAE

The Society of Automotive Engineers will have their October meeting on Wednesday October 18, 1978. The meeting will be held at 7:00 p.m. in the ME Auditorium. The speaker for the evening is Mr. Ray Schaffart who is the Supervisor of Vehicle Development for the Ford Motor Co. Mr. Schaffart will be speaking on the engineering details of the 1979 Mustang Capri. Memberships will be taken and refreshments will be served. The public is invited.

NSBE

The National Society of Black Engineer's meeting Wednesday, October 18 in G-5 HSS.

AIAA

The American Institute of Aeronautics and Astronautics (AIAA) will meet on Wednesday, Oct. 18, at 7:00 p.m. in the Physics Auditorium. Mr. Gary Blackenship, from Douglas Aircraft and an UMR alumni, will present a program on the C-15 STOL Aircraft and Supersonic Transport programs at Douglas. The AIAA trip to Scotts Air Force Base will be discussed and refreshments will be served after the meeting. Guests are invited to attend.

SUB CONCERT

Kenneth R. Bruggers and Enric Madriguera, harpsichord and guitar, will present a joint concert Wednesday, Oct. 18, 8 p.m. in Centennial Hall, University Center East. The concert, featuring solo and duo performances, is sponsored by the UMR Student Union Board. The public is invited to attend. There is no admission charge.

Noday

FRESHMAN OF THE YEAR

Applications are now being taken for Theta Tau Freshman of the Year for last school year. Applications can be picked up at the candy counter and must be turned in at the counter no later than Tuesday, Oct. 17th.

PROFESSIONAL ETHICS FILM

The week of Oct. 16 thru Oct. 19, Monday thru Thursday, ASCE will present a Professional Ethics Film in the UMR Library. Showings will be at 6:00 p.m. and 8:00 p.m. The film involves the case of bribery among engineers. All students and faculty are invited to see this outstanding film.

PREREGISTER

Preregistration for students now enrolled in school who will be returning for the 1979 spring semester will start October 30 and end November 3. For further information see the instructions in the front of the spring schedule of classes which will be available in the Registrar's Office October 26. All who will be returning in the spring should preregister regardless of mid-semester grades.

1979-80 APPROPRIATIONS REQUEST

A complete set of books outlining the University of Missouri (all four campuses and medical facilities) Appropriations Requests for the 1979-80 academic year has been placed at the reference desk in the library. It is available for inspection. The office of public information has also sent a summary of the request to each department.

Placement Office Bulletin

Interviewing Oct. 23-27, Sign-up Oct. 13-20.

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+ Seniors remember to fill out job offer and plant trip forms at the counter on 2nd floor of the Placement Office.

The Missouri Miner

The MISSOURI MINER is the official publication of the students of the University of Missouri at Rolla. It is published weekly at Rolla, Missouri. This MISSOURI MINER features activities of the students and faculty of UMR.

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Miner office phone 341-4235.

Subscriptions are available to the general readership at a rate of \$3.00 per semester.

Articles and photos for publication in the MINER must be in by 9 p.m. on Monday before printing on Thursday.

THE MISSOURI MINER
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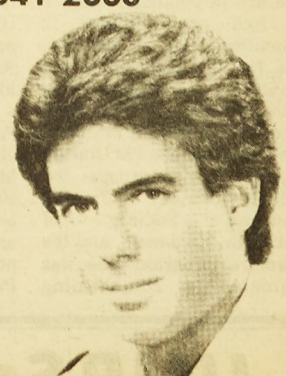
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Here's a shot of the action after the Theta Tau Disco on last Thursday night. The clean-up crew posed for a more candid shot, but due to our journalistic ethics, we regretfully withhold it from publication.

(Photo by M. Murphy)

News

UMR Chosen As State Mining Research Institute

SOURCE: OPI

The University of Missouri-Rolla is one of 20 institutions throughout the country to be chosen by the U.S. Department of Interior as a State Mining and Mineral Resources Research Institute. Others in the Midwest are being set up at state land grant institutions in Minnesota, Illinois and Oklahoma.

"Although the program is established under the Surface Mine Reclamation Act — Public Law 95-87 — its mission is broad in addressing the research needs in mining and mineral resource development," says Dr. T.J. Planje, UMR's dean of the School of Mines and Metallurgy. Dean Planje will be director of the institute on the Rolla campus.

"The law states," he continues, "that the purpose of the institutes is to plan and conduct and/or arrange to conduct competent research investigation, demonstrations and experiments of either a basic or practical nature in relation to mining and mineral resources. It also provides for the training of mining and mineral engineers through such activities."

UMR will receive an initial basic grant of \$110,000 for the first year. This is intended to provide seed money to fund new or on-going research projects that are supportive of the stated objectives of the program. The second part of the grant is \$160,000 to be used over a three-year period to fund scholarships, fellowships and post doctoral fellowships for students working with the

research projects.

According to the legislation, the program will continue for eight years. Dean Planje projects that UMR's annual funding will increase, under the grant, to a total of \$400,000 annually by 1981 and will remain at that level for the remaining five years.

"There were two reasons UMR was named as one of the 20 institutes," Dean Planje says. "In the first place, this is the second oldest School of Mines in the country — only the Krumb School of Mines at Columbia University in New York is older. And, secondly, the quality and productivity of our faculty through the past 100 plus years to the present time has served to enhance the reputation of the school throughout the country."

Co-directors of the institute will include six other members of the UMR faculty. They are: Dr. N.B. Aughenbaugh, professor of geological engineering and chairman of UMR's department of mining, petroleum and geological engineering; Dr. Marion D. Arnold, professor and head of petroleum engineering; Dr. Robert E. Moore, professor and chairman of ceramics engineering; Dr. Earnest M. Spokes, professor and head of mining engineering; Dr. David A. Summers, professor of mining engineering and director of UMR's Rock Mechanics and Explosives Research Center; and Dr. Harry W. Weart, professor of metallurgical engineering and chairman of the metallurgical

and nuclear engineering department.

Other faculty members working in areas appropriate to the mission of the institute will serve as principal investigators on each research project.

UMR has proposed five specific projects to the Department of Interior to be supported by the initial grant. The projects are all phases of on-going research currently being conducted. Institute support will enable the principal investigators and their research teams (other faculty members and graduate and undergraduate students) to undertake work on a new or additional aspect of their work.

The projects are: 1) Remote Sensing Studies for Mined Land Reclamation Assessment and Control, Dr. David J. Barr, professor of geological engineering, principal investigator; 2) Blasting Research, Dr. Norman Smith, assistant professor of mining, principal investigator; 3) Ultrasonic Determination of the Failure State of Mine Pillars, Dr. Charles A. Haas, professor of mining engineering, principal investigator; 4) Numerical Reservoir Simulation, Dr. Leonard F. Koedertz, associate professor of petroleum engineering, principal investigator; and 5) Minimizing Losses of Metal Values to Flotation Mill Tailings, Dr. Roger K. Clifford, associate professor of metallurgical engineering, principal investigator. All projects are subject to approval by the Department of Interior.

Spring Pre-registration Time Approaching

During the period of October 30 through November 3 students returning for the 1979 spring semester are to meet with their advisors to select courses for that semester. All returning students are expected to preregister regardless of their fall mid-semester grades. Students who preregister for the spring semester will be permitted to pay fees by mail in early December.

Complete instructions for preregistration, early registration and regular registration may be found in the front section of the "Spring Schedule of Classes". Students may obtain preregistration materials and schedule of classes from the Registrar's Office starting October 26.

Each advisor will be furnished a schedule to be posted near his office the week before preregistration. This schedule will enable a student to reserve a date and time for arranging his preregistration schedule. Students are required to return their preregistration schedule and undergraduate credit card

to the Registrar's Office before 4:00 p.m., November 3.

An attempt will be made to schedule students, whenever possible, into the sections preferred. Since it will not always be possible to honor requests for certain sections, the students who are eligible and follow the instructions outlined in the front of the spring schedule of classes will be given first chance to select the sections they need. Students who qualify for priority sectioning (as outlined in the schedule of classes) should have their preregistration schedule noted accordingly, even though there are apparently no possible variations in their schedule. Assignment of remaining students into sections will be done by arranging student schedules in order by total number of hours of credit earned and as long as possible requests for particular sections will be honored. Since all sections of all courses cannot be offered at popular times, it will be necessary to rearrange some schedules to balance sections.

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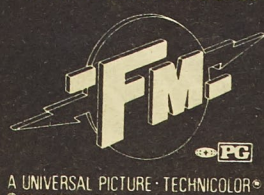
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GREEK TYCOON 7:00 and 9:00

Sun. & Mon.



SAE Hosts Ford Speaker

The Society of Automotive Engineers is pleased to present Mr. Ray Schaffart of the Ford Motor Company as the guest speaker for the October 18th SAE meeting which will be held at 7:00 p.m. in the ME auditorium. Mr. Schaffart, the Supervisor of Vehicle Development for the Ford Motor Company, will present "The Engineering of the 1979 Mustang" to those attending the meeting.

Mr. Schaffart's presentation will highlight engineering details of the 1979 Mustang-Capri. The 1979 Mustang represents a whole new breed of Mustang with dramatic new sportscar styling giving it one of the most aerodynamically efficient designs of any car now built in America. The '79 Mustang offers precise handling with sportscar features like rack 'n pinion steering and a suspension system that helps flatten corners. Available in 2-door or 3-door models, the '79 Mustang comes equipped with a standard 2.3 liter overhead cam engine or options of V-6, V-8, and turbocharged engines. Mr. Schaffart will address the special problems and solutions of the development of this sporty Mustang. Some of the specific areas that Mr. Schaffart will discuss are the noise, vibration and harshness improvements, the suspension system, and the vehicle's performance. It should be a very interesting presentation by Mr. Schaffart especially since reliable sources have indicated that the new Mustang will be the 1979 Indianapolis 500 race car.

Mr. Ray Schaffart graduated from UMR in 1963 with a Bachelor of Science degree in mechanical engineering. From 1963 to 1969 Mr. Schaffart worked as a development engineer in noise and vibrations for the Florida Research and Development Center of Pratt and Whitney Aircraft in West Palm Beach Florida. During that time Mr. Schaffart also went back to school and obtained a Master of Science degree in mechanical engineering in 1965 from the University of Florida. In 1969

Mr. Schaffart returned to Rolla and continued his studies until 1972 when he received his Ph.D. Since 1972 Mr. Schaffart has been employed by the Ford Motor Company. From 1972-1974 he worked in the Car Research Group doing advance

noise control studies. From 1974 to date, Mr. Schaffart has worked in the Vehicle Development Group and he is the current supervisor of the ride and handling, noise, and powertrain vibration studies in that group.

St. Pat's Parade Floats

The float theme for the 1979 St. Pat's Parade is "Famous Fairy Tales and Fables." Only the first twelve typed descriptions will be accepted. Submit all entries no earlier than 2:00 p.m. on October 25 to Brian Westrich, 364-9792, at Phi Kappa Theta.

Outside Consultant To Study UMR Food

By MARK HASLETT

Doug Osterheld of the University of Wisconsin system will be on campus this week as an outside consultant to Auxiliary Enterprises. Jess Zink, Director of Auxiliary Enterprises, said that Osterheld will be here at UMR to examine the university's food programs.

The purpose of the visit will be to determine if there are

areas of the programs that can be cut back, economized, or made to operate more efficiently. Osterheld will be talking to students and consulting with Jess Zink and other university officials including Joe Wollard, business officer for UMR. Joe Wollard and Jess Zink are on the University of Missouri Central Administration committee involved in food service evaluation.

Christopher Jewelers
805 Pine Rolla, Mo. 364-2264

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Challenge!

We the Pledge Class of the Mechanical Engineering Honorary Fraternity, Pi Tau Sigma, do hereby declare war on the lowly peon pledges of the hopelessly inferior Eta Kappa Nerd (Nu).

We dare the followers of the black magic cult, known loosely as electrical "engineers", to slither out of their black boxes and meet us in a display of strength and endurance. (i.e. Tug-of-War).

The victor shall be honored with the gift of a thin-walled pressure vessel subject to conductive and convective cooling, which shall be enjoyed by all.

Omniscient pledges of Pi Tau Sigma

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October 16, 1978



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Features

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"Much Ado About Ducks"

By Linda Marie

A five man theatre group called "Duck's Breath," performed their zany antics to an appreciative audience of students and town folk. The group, composed of Dan Coffey, Merle Kessler, Jim Turner, Bill Allard and Leon Martell kicked off their show with imitations of famous people chewing gum. From the start, Duck's Breath had the audience on the edge of their seats waiting for every line of the dialogue.

They did such off beat skits as the one with Dr. Peru, expert of Fikology (or aggressive Biology), where they cross a pollinated sunflower and an oak tree. Such satirical material as the short skit, "Hey I'm a Loser" and an

outrageous comedy skit called "Zippy and the Elevator Man" were presented by this group.

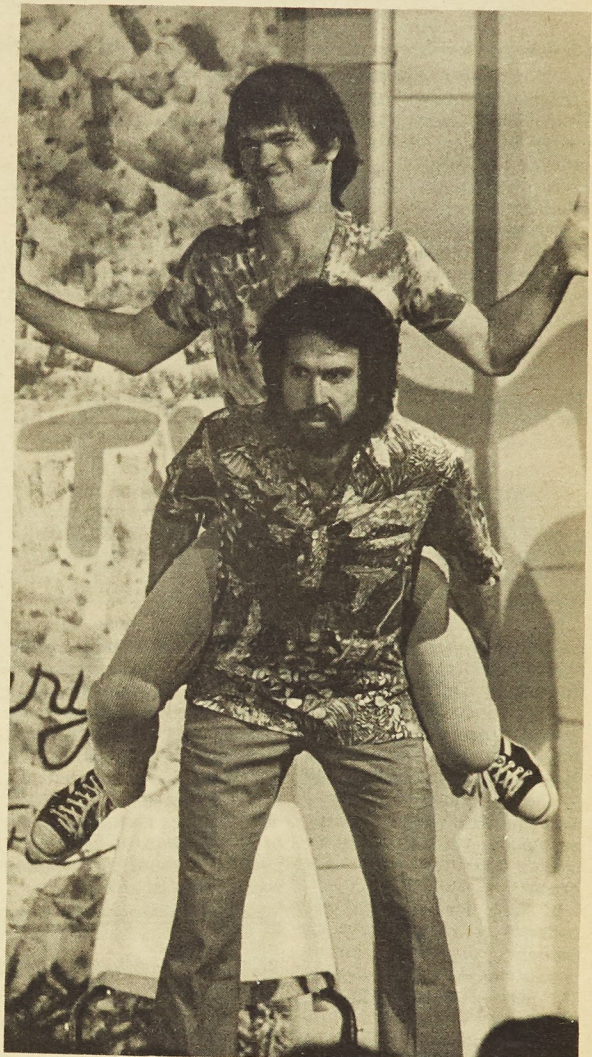
One segment of the night's performance entitled "World Culture on Parade" showed the five guys portraying various works of art, from "Nude Descending a Staircase" to "The Birth of Venus." (All in living Technicolor!)

My favorite act involved Rex Ressler and his "Dare to Be Stupid" get rich scheme. This scheme involved selling "Ricky" dogs at a \$2.00 profit margin for every 500 dogs. Rex's five steps to sure success are: 1) Take small steps, 2) Leave people alone, 3) Say yes, 4) Use your noggin (alas for the frog), 5) and knock on the door. (The door of opportunity, that

is!) Follow these simple steps and you will be successful!

On the literary side — this troupe presented a short skit on Richard II and their infamous "Cliff's Note Hamlet." What Duck's Breath did to these pieces of Shakespearian drama can only be referred to as original, wacky, and fantastic! Duck's Breath Theatre was brought to you through the efforts of the Student Union Board. (SUB) Comments and suggestions for upcoming attractions can be made through SUB, without whose efforts we'd not get the chance to see these performers.

In conclusion, using the words of Duck's Breath Theater's Prince Hamlet as he lay dying; "Good Night, John Boy!"



Leon Martell (on top) and Dan Coffey of Duck's Breath Theatre play the part of an oak tree as a part of their skit on aggressive Biology.

(Photo by R. Willis)

Ediletters

STATEMENT OF POLICY

The opinions expressed herein do not necessarily represent the opinion or policies of the MISSOURI MINER. The ediletters section is the sanctuary of the general public. All letters submitted will, as in the past, be printed in their unaltered and original form when space in this newspaper permits.

Theta Tau

Sir:

I feel the members of Theta Tau Omega owe the participants in last Thursday's Disco Night Dance Contest an apology for what could only be termed irresponsible behavior.

During the contest, at least four of the couple's routines were disturbed by skips in the records — some more than once. At one time I counted 11 people on the stereo platform. They included four judges, two

DJ's, and one announcer. But it also included four extra people who seemed to be doing nothing but getting in the way. Once there were five people crowded around the turntables. With this kind of traffic, it is only natural that things are not going to proceed smoothly. Perhaps the fault was with the DJ's. If that was the case maybe Theta Tau should consider once again hiring a professional who has his own equipment and knows how to use it.

In addition to these problems, several members of Theta Tau

were heckling the later contestants in the course of their routine. I would have thought they would be applauding and thanking the people who made the night a success.

David G. Winter

Pershing Rifles

Dear Editor,

As a member of the Pershing Rifles at UMR, I would like to take this opportunity to blow my own horn. The members of

Pershing Rifles, including the five female pledgers dutifully fire the cannon during football games to signal each Miner touchdown. We also serve as colorguards during the beginning of each game. At last

week's homecoming game we performed the flag raising ceremony.

Again, a pat on the back goes to the UMR Pershing Rifles.

Student No. 50023

Morningstar Shines on Homecoming

By Linda Marie



Morningstar members: Jerry Chambers, Greg Harris, Michael Edmunds, Rick Bacus and Greg Leech brought their sound to an appreciative UMR Homecoming crowd. (Photo by R. Willis)

the band. The latter was a piece of almost purely instrumental wizardry.

Just moments before the gates were to be open — Morningstar finished its sound test, and left the stage as the crowd of rock-n-roll fans took their seats for the 1978 Homecoming Concert. Just thirty minutes later the musically powerful sounds of Morningstar filled up the Gale Bullman Multi-Purpose Building Auditorium.

The band hit musical climax after musical climax as they performed pieces off their current album as well as new stuff to be released in February.

Rick Bacus on electric guitar took the show with his good strumming sounds. He also excelled on keyboards and lent himself vocally to the group, in his songs "Through the Night" and "Never Meant to Be".

"Sunshine" and "Rabbit Dancers" were two numbers written by Jerry Chambers (guitarist) and performed by

Michael Edmunds on guitar and lead vocalist for the group shown through vocally on the two opening numbers of "Sweet Georgia Peach" and "Too Much To Lose" as well as "Lady Love" and "Let Me Dream".

Morningstar started to end their concert to the beat of "Rock-n-Rolla Rodeo" — but it was not to be. The band came back and did a fifteen minute encore number entitled "Boogie". This number included solo selections by every member of the band. Gary Leech on drums and Greg Harris on bass guitar shone most brightly during this number.

Those who enjoyed Morningstar's sounds can catch them again on Oct. 21st the Attic Lounge at 8:00 p.m. Their performance was sponsored by the SUB organization.

Groundwaves



A blight on those of you who deliberately missed "Off the Beaten Track" last week. It was really quite interesting (so much so that I forgot to study for a test I had the next day). The interview was a good mix of talk and music and about half-way through the news from the music industry answered a few questions that had been floating around here for awhile. Try and

catch it tonight at 8. I'm sure you will like it. The interviewee will be Blondie.

Beginning next week we will be featuring a short science report on various subjects. It will premier Monday, October 23 at 1 p.m. and it is produced by the American Institute of Physics. Although these reports are only a few minutes or so in

length, they are both interesting and informative. I'll know more about the particulars next week.

Also on Monday, October 23, "Nick Johnson As a Nervous Novice" will air. This is a tape of an FCC Commissioner who made an impromptu appearance on public radio as a DJ. It will be on at 10 AM.

Next Wednesday at 10 AM a show about preventing cancer by avoiding and eliminating cancer-producing agents. It is entitled "An Ounce of Prevention."

Due to the holiday on Monday we will be off the air, but we'll be back bright and early Tuesday morning.

Here are next week's albums: Tuesday at 9 a.m. — Gabriel "Gabriel".

Wednesday at 3 p.m. — The Country Grass "Living Free".

Wednesday at 8:30 p.m. — Synergy "Coros".

Wednesday at midnite — Coryell & Catherine "Splendid".

Thursday at 9 a.m. Dan Fogelberg and Tim Weisberg. Friday at 12:30 p.m. "Creed". Watch out for low-flying nazgul.

J.R.

Drinking and Driving

FROM KEMPER INSURANCE

The teen-age drinker-driver is the nation's number one highway menace.

The combination of driver inexperience and alcohol has made the under-20 motorist the leading highway killer.

Even without the presence of alcohol, the under-20 driver poses a significant threat on our highways and streets. This age group has the smallest percentage of the driving population, yet has more accidents than any other age group.

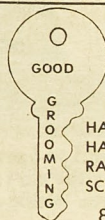
In 1976, for example, the under-20 driver was only 8.9 percent of the driving population, yet was involved in 18.1 percent of all traffic accidents and 18.3 percent of all traffic accidents involving a fatality, according to a study by National Highway Traffic Safety Administration (NHTSA).

The same study ranks automobile accidents as sixth in the list of causes of deaths among Americans as a whole, but the leading cause of death in the 15 to 19-year-old age group. Nearly 40 percent of all deaths in this age category are caused by motor vehicle accidents.

In the 18 and 19-year-old age groups, 42 per every 100,000 population have been involved in an auto accident where alcohol was a factor. For the driving population as a whole, the ratio was 28 per 100,000 population, according to the U.S. Department of Transportation (DOT).

Nationally, since 1970, there has been a 28 percent increase in the number of alcohol-related traffic accidents involving the under-20 driver, the DOT reports.

The DOT — along with the National Safety Council and the NHTSA — unanimously attribute the steadily worsening under-20 driving record to the national trend towards lower legal drinking ages. Since 1970, 26 states have reduced the drinking age limit. Currently, only 11 states require a person to be 21 years of age before allowing the legal purchase and consumption of alcohol.



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Concert Guitar and Harpsichord

Student Union Board will present Kenneth R. Bruggers and Enric Madriguerria in a concert of music for solo harpsichord, solo guitar and harpsichord-guitar duo on Oct. 18 at 8 p.m. Centennial Hall.

Madriguerria and Bruggers have been performing together for several years since they met in 1973 while they were Artists in Residence with the North Carolina Arts Council. While in North Carolina they received wide acclaim for their excellence of solo and duo performing, were frequent performers for the Governor and his cabinet, and were largely responsible for the initial success of the performing arts program in that state. Madriguerria also then received award from the New York Film Critique for his work in an Arts Council television commercial.

Enric has been a student of the master guitarist Andreas Segovia, who predicted that he "will have a brilliant career". Under Segovia's encouragement and guidance, Madriguerria studied at the Royal Conservatory of Music in Madrid, Spain, and later with Jose Thomas. In 1973 Enric won first prize at the International

Guitar Competition in Alicante, Spain.

Kenneth Bruggers is best known for his innovative work in expanding the present day literature for the harpsichord. He has been involved in numerous commissions and premieres, and has been acclaimed by composers and audiences alike. In addition to his duo performing, he enjoys a wide reputation as a brilliant solo performer.

In their concerts, Bruggers and Madriguerria are known for their uniquely personal style of performing in which they break down the traditional barrier between performer and audience, building a rapport which grows throughout the program. For this concert, Madriguerria will be using both the classical six string guitar and a specially designed eight string instrument on which he performs the lute music of the Renaissance and Baroque. Bruggers will be using a harpsichord which is an authentic reproduction of instruments produced in France and England during the late eighteenth century, the height of the harpsichord's popularity.

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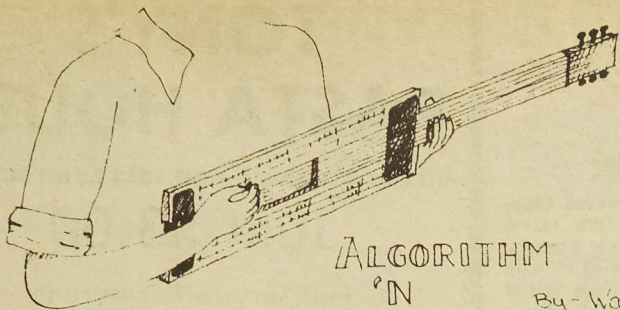
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ALGORITHM

IN
BLUES

By: Ward Silver

Hug

For those of you that just happen to have some devices! Remember when the Texas Instruments SR-10 hand calculator sold for \$69.95? It had the standard arithmetical functions plus square root and one-over-x. For the same price today you can get a calculator with the same functions plus some memory, trig functions, hyperbolic functions, logarithms, exponentials and many special functions and algorithms that vary from company to company. Hoodathunkit!

So what? Well, so now, for not a whole lot more money, you can buy a calculator with programming space and even ready-made programs. When the original calculators made their debut, there was a great hue and cry about the unfair advantage that was given to the proud owners of an HP-35 over the slide-rulers. (When was the last time you used a slip-stick?) Especially during exams, and some profs so much as banned calculators from their classrooms. Many of the less-adventurous predicted a loss of mathematical savvy and condemned the calculator as the Devil's tool in undermining education everywhere. Actually, by removing the drudgery of hand-calculations,

and, by far the most important, giving the student magnitudes more self-confidence in his or her final results, the hand calculator has freed the mind to examine the higher levels of mathematics and produces a more competent and confident graduate.

By the same arguments on either side, the programmable calculator can be shown to be a sinner or saint. To those of us without programming capabilities, the HP-67 or SR-52 can be a formidable examination adversary. The lucky few who own them, or their related comrades, have a decided edge in calculating reiterated values or grinding out long formulas more than once. But, to utilize this extra power, the student must be capable of programming correctly and applying the programs to the problem. The student who merely memorizes programs or

the procedure for using pre-packaged programs is in the same boat as the formula memorizers, chances are that they will both do poorly unless they happen to have memorized exactly what's on the test. Figure the odds.

So, I say to those of you who have an Eldorado Mark IV Hand-Held Annihilator, with floppy disc and line-printer options, go ahead and bring your programs to the next test. I don't care. If you know the material, in most cases, that four ounces of plastic and silicon isn't going to make one iota of difference in the long run. If you don't know what you're doing, unless you're a good guesser, you'll probably flunk.

Memory is no substitute for intelligence.

Ward Silver

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FOR SALE — One white Honda bicycle, slightly damaged due to slowout on a steep gravel road. Call SOB.

LOST: One orange jacket somewhere on campus on Wednesday, Oct. 4. If found please call Jim Davis at 364-9945.

HERE'S HOPING the person who cleaned out my lost wallet near Norwood Hall on Oct. 2 gets honest soon. I need the money badly. Please contact the painters. Positively no questions asked.

NATHAN: So you're calling yourself Ernie Smoot, now? Do all those little coeds you're dating know about the girl you wronged? What's the matter, ain't I good enough for you? Not educated enough, maybe? Just because I take my clothes off for a living doesn't mean I'm dumb. Signed: Adelaide.

LOST: One birthday boy: Blond hair, blue eyes, cute legs. Last seen at Ruby's Tuesday night. If found, return to 610 W. 8th Street.

To the six Masqued Kidnappers of KD — If you promise me you won't sing and torture me we could do it again next week!

Ed the Ed.

WANTED: Good looking men to party with on weekends. I'm a beautiful woman who loves to dance and party hearty! So if any of you guys want to have a good time, see Donna at 230 T.J. or call 364-9004.

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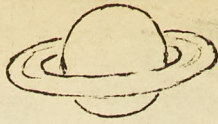
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RINGS OF PLUTO



BY CLAUDE CRAIN

Cheshire drifted slowly to earth, caught in the invisible web of his Saturnian time-warp. Earthly events are always slow, but even the low gravity can make things uncomfortable if one doesn't adjust for landings. A glance at his off-center chronometer told him the time — 12:07. "Rats, late again. But so are those two; they...oh, there they are!"

Keja (who hails from the fifth planet of Deneb Cygni) and the Chipmunk (whose home is void zone No. 7.558...n, called "The Void") spiraled out of a hole which had opened in the trunk of an old oak tree which had grown from an acorn only moments before. Voiders have interesting means of travel, but when influenced by a Denebian space distortion, any number of things can happen.

"You time-warped my tree!" yelled Chipmunk, threatening Cheshire with her cigarette. "We would have been here on time; it's hard enough to grow an oak tree quickly without your warp!"

"Sorry to disappoint you, Chipmunk, but it wasn't me. Keja, you can tell whenever I use the warp on you, did you feel it?"

Keja went deep into thought, her face going completely blank. "I felt something, but it wasn't you. It didn't even feel — Saturnian. I can just make out an image, in five primary colors."

"Five?"

"Five. That lets out Earth, Saturn, Deneb, and The Void."

"It doesn't let out The Void completely," the Chipmunk spoke up, "We don't just count sheep while we're drifting around, we watch what's going on. There is an envelope system in the Horsehead Nebula, and the inhabitants see five colors. They also have a time warp."

(Envelope systems occur in some rather thick nebulas if there is enough heavy matter for the foundation of life, which lives near the center in almost gravity-free conditions. They are usually completely hidden by obscuring matter in the nebulas.)

"I've heard about the Nebulans," Keja said slowly, "denebians avoid them like the plague. We haven't had enough contact to find out about the five-primary vision and the time-warp, though. I do know their general appearance — rather large, fat, you might say, probably from the lack of gravity. There is some resemblance to an early animal that wallows in the mud."

"That sounds disgusting..." Cheshire began.

Before he had finished, a round, unpleasantly chubby face appeared in the hole in the oak, speaking harshly, "The Great and Essential Onkh requires your surrender!" Their hearts stood still at the mention of that name: Onkh, the imperial commander of the Nebulan forces.

**SHOTOKAN
KARATE
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The alien was about to say something else, but his motions slowed until he was scarcely moving at all. He was in the process of stepping out of the tree, his foot stopped a few inches above the ground.

"Quick, push him into the tree and ungrow it, I can't override this time-warp much longer," Cheshire said between clenched teeth.

"Yowza!" answered Chipmunk, complying. She tossed the resulting acorn to a nearby squirrel, who succumbed off with it. "That was a close one. I wonder what the Nebulans have on us? We haven't even been near one of the sty worlds."

**To Be Continued
Next Week**

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Mountaineering #2.

SELECTING THE PROPER GEAR

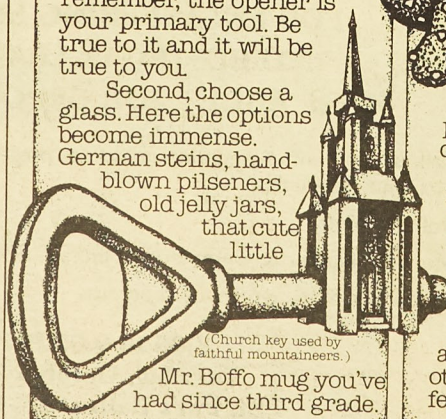


The Busch label is where it all begins. Note the snowy, craggy peaks affixed thereto. They are the mountains.

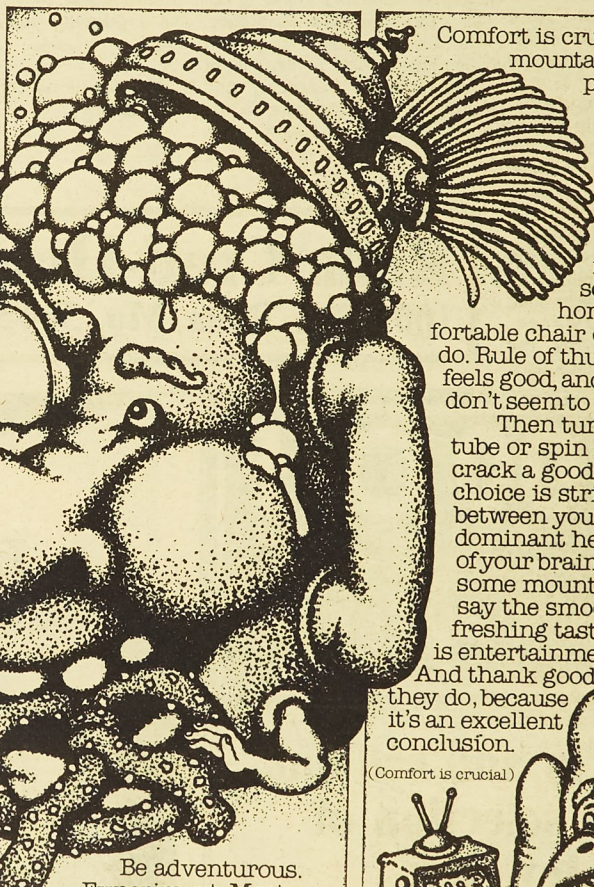
You are the mountaineer. And this is an ad. The subject of which is selecting the proper gear for mountaineering. (It all fits together so nicely, doesn't it?)

First and foremost, you'll need to pop the mountain top. For this task, faithful mountaineers use a church key. Secular mountaineers use a bottle opener. Don't be confused by these antics with semantics. Just remember, the opener is your primary tool. Be true to it and it will be true to you.

Second, choose a glass. Here the options become immense. German steins, hand-blown pilseners, old jelly jars, that cute little



(Church key used by faithful mountaineers.)
Mr. Boffo mug you've had since third grade.



Be adventurous. Experiment. Most mountaineers have a personal preference. You'll develop one too.

Food is next. Proper mountaineering, not to mention proper nutrition, requires a smorgasbord selection of snacks.

Some mountaineers have suffered from a potato chip deficiency, a pretzel imbalance or other serious dietary defects. Plan ahead.

Comfort is crucial. If you mountaineer in public, pick a padded bar stool, preferably one that spins (to facilitate admiring the scenery). At home, a comfortable chair or sofa will do. Rule of thumb: if it feels good, and the police don't seem to mind, do it.

Then turn on the tube or spin a tune or crack a good book. The choice is strictly between you and the dominant hemisphere of your brain. Of course, some mountaineers say the smooth, refreshing taste of Busch is entertainment enough.

And thank goodness they do, because it's an excellent conclusion.

(Comfort is crucial)



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Vendor Coupon 7

Worth 24¢ Dial Gold Soap
 When You Purchase Four Pkgs. Soap
 WAS \$1.00
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National Coupon N.13

Worth 25¢ Pavey Fudge Bars
 When You Purchase A 12 Pack Package
 WAS \$1.29
 Redeemable at your National Super Market. Offer Expires Mon., Oct. 16, 1978. Limit One Coupon Per Family.

National Coupon N.14

Worth 50¢ Pavey Ice Cream
 When You Purchase A Half Gallon Carton
 WAS \$1.29
 Redeemable at your National Super Market. Offer Expires Mon., Oct. 16, 1978. Limit One Coupon Per Family.

Vendor Coupon 11

Worth 75¢ Gravy Train
 When You Purchase A 24-Lb. Bag
 WAS \$6.99
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Vendor Coupon 12

Worth 20¢ Seven Seas
 When You Purchase A 16-Ounce Bottle
 WAS \$1.29
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Vendor Coupon 15

Worth 21¢ Soft 'N' Pretty Bathroom Tissue
 When You Purchase Two 4-Roll Packs
 WAS \$1.29
 Redeemable at your National Super Market. Offer Expires Mon., Oct. 16, 1978. Limit One Coupon Per Family.

National Coupon N.17

Worth 10¢ Fresh Cabbage
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 WAS \$1.29
 Redeemable at your National Super Market. Offer Expires Mon., Oct. 16, 1978. Limit One Coupon Per Family.

Vendor Coupon 10

Worth 15¢ Post Super Sugar Crisp
 When You Purchase An 18-Oz. Box
 WAS \$1.29
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National Coupon N.16

Worth 15¢ Kahn's Sliced Bologna
 When You Purchase An 8-Ounce or 12-Ounce Package
 WAS \$1.29
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National Coupon N.3

15¢ OFF LABEL Fab Detergent 49-oz. Box **99¢**
 WAS \$1.44
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Vendor Coupon 4

Worth 39¢ Pillsbury Flour 5-Lb. Bag
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Vendor Coupon 5

Worth 89¢ Jell-O 3-oz. Pkgs.
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National Coupon N.6

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 WAS \$1.15
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National Coupon N.8

NATIONAL'S Bake and Serve Cinnamon Bread 16-Oz. Loaf **69¢**
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National Coupon N.9

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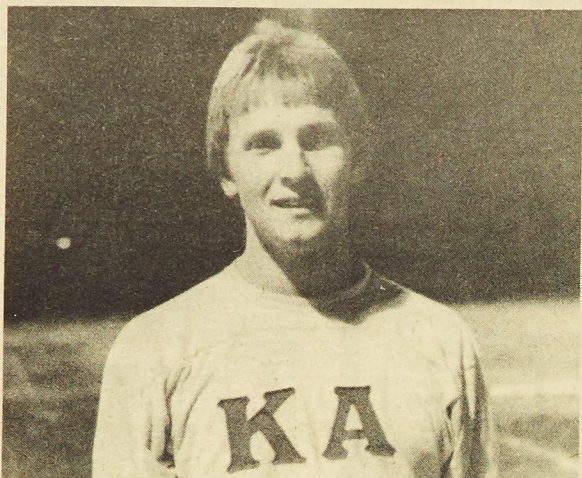
Sports

THE MISSOURI MINER

Thursday, October 12, 1978

Page 10

Rolla McDonald's Supports UMR Intramurals



Larry Miller -

Intramural Athlete of the Week

Next time a Big Mac attack hits and you find yourself at the Rolla McDonalds, notice the sign out front announcing this week's Intramural Team of the Week and Athlete of the Week as selected by the Intramural Manager's Association. McDonalds is supporting UMR Intramurals by honoring these athletes with gift certificates of two dollars for each man on the Team of the

Week and five bucks, roughly 5.62 Big Macs, for the Athlete of the Week.

Elections for these awards will be held every two weeks at the Intramural Managers' Association Meetings. President Dan Beckerle says, "We are very grateful to Dave Wheinbaum for his contributions. This will give our outstanding athletes more of the recognition they deserve."



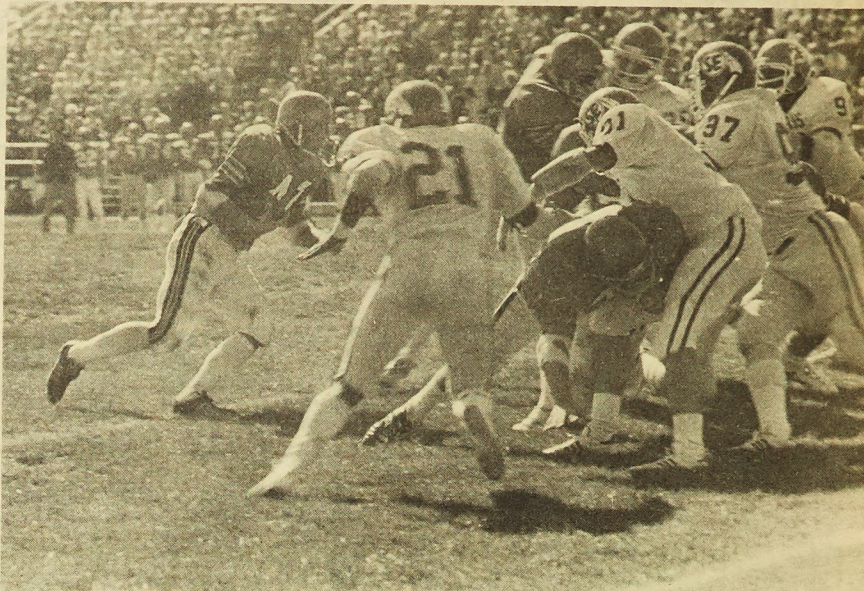
Kappa Sigma -

Intramural Team of the Week

Editor's Note: Due to the dear Postal Service, Joe Harris does not appear this week. Also, the usual MIAA stuff didn't make it — which is a drag since the Miners just played the second-best game of their career (the best was last year's 21-19 victory over Kirksville) and they're on top of the conference.

For what it's worth, I pick the Miners by 9 over Northeast. Kirksville will have the home advantage and it'll be their first conference game, but the UMR squad will be pumped up to virtually assure themselves of a title share with a victory. The momentum is on our side and Northeast has been far from impressive in pre-season play.

**If You Like The Postal System,
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Terry Ryan looking to escape Southeast defenders in last Saturday's Homecoming battle at Jackling Field. Terry was successful, totalling 127 yards on the day as the Miners defeated the Indians 13-6 to take possession of first place in the MIAA. It'll be tough to dethrone them.

(Photo by M. Murphy)

(Cont'd from page 1)

The score was tied at three before Hotz booted a 34 yard field goal with 34 seconds left in the half. That was helped along by an interference call against Craig Heath that moved the ball 41 yares to the UMR 31.

Southeast was also penalized 12 times for 95 yards.

The Miners have now advanced their record to 4-1 as Southeast drops to 4-2 for the season.

UMR will be travelling to Kirksville this Saturday to face pre-season favorite Northeast Missouri State in their homecoming battle.

The statistics:

	UMR	SEMO
First Downs	18	13
Yards Rushing	196	143
Yards Passing	60	50
Total Yards	256	193
Passing	6-18	5-15

Interceptions Thrown	2	2
Fumbles Lost	0	1
Penalties	7-91	12-95
Punting	3-34-6	6-37-8

The score by periods:

UMR	0	3	7	3-13
SEMO	0	6	0	0-6

The scoring plays:

SEMO — Hotz, 18-yard field goal.

UMR — Rosenauer, 42-yard field goal.

SEMO — Hotz, 38-yard field goal.

UMR — Bretz, 2-yard run, Rosenauer kick.

UMR — Rosenauer, 47-yard field goal.

The individual statistics:

Rushing — UMR: Ryan 29-127, Bretz 13-32, Fischer 3-6, Lee 1-7, Morse 4-27, O'Dear 2-3, Walters 3-0. SEMO: Weiser 12-70, White 12-50, Beard 22-23.

Passing — UMR: Walters 6-17-60-2, O'Dear 0-1-0-0. SEMO: Beard 4-15-50-1, Weiser 0-1-0-1.

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Jim Wood, C.L.U.

How's this for a football oddity...Did you know there was once a college football game in which one team did not run or pass the ball at anytime during the entire game, and still won it!...It happened to Kentucky...in a game in the early 1900s, Kentucky decided to kick on first everytime they got the ball...They did kick on first down throughout the game...They never ran the ball and never passed...And they won 12-6 by recovering two fumbles by their opponents in the end zone!...This oddity is hard to believe but it's been verified by the Kentucky Athletic Department.

Ever wonder how many commercials there are during the telecast of college or pro football games?...How many would you say?...The national TV networks put in about 45 different commercials during the telecast of each game. Did you know that there was once a football game called the "Confusion Bowl" by sports writers?...It happened when Miami played Miami...That was Miami of Florida meeting Miami of Ohio...They played against each other in both 1945 and 1946.

I Bet you didn't know...that the UMR College Life agents have served Miners for a total of 28 years. Don Gibson 16 and Jim Wood 12. Permanence means good service. See...

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SOCCER CLUB RELEASE

Last weekend was not a good one for the UMR Kickers as they dropped two close matches. On Saturday the Southeast Mo. State club came up as part of the Homecoming festivities, and although the Miners dominated play for most of the game they dropped the decision 1-0.

Good goaltending by Mark Suellentrop and excellent work by the back four of the UMR side kept the game close but

Rolla couldnot get the ball past the SEMO keeper. Rolla's best chance came midway in the second half when Steve Svatek got in close and beat thee SEMO goalie only to have the ball rattle off the goal post.

Sunday did not prove to be any better for the club as the University of Missouri-Columbia came to town. Dominating play in the first half, UMR could only come off at the 45 minute mark with a 1-1 score. Columbia played well in the second half and was able to

punch the ball past the UMR defense twice more and came away with a 3-1 victory.

This weekend, the Soccer Club is again at home as they play Concordia College on Friday night at 7:30 p.m. and Southwest Missouri State on Sunday at 1:00 p.m. Also, the UMR side will sponsor a charity fundraiser at TKE immediately following the Friday game, with all proceeds to go to Theta Tau's Ugly Man.

UMR C.C.

Soars

By JOHN CROW

This year's Cross-Country team is off to a flying start having accumulated a record of 9-1 thus far.

Last weekend (10-7-78) the fleet footed UMR runners won a big meet that was held here in Rolla. It was a cool and sunny Saturday afternoon as Brent Heafner set a new school record in the five mile Cross-Country distance. Heafner's record time was 25:40 which was good enough to take second place in the meet. He finished behind Mike Lamb from Lincoln University who had a time of 25:19.5. The course record stands at 24:15.9 set by Dan Dwyer from SMS on November 2, 1974.

David Sorrell and Bob Perry both from UMR also had their best personal times Saturday. Sorrell finished fourth with a time of 26:17 and Perry finished elventh with a time of 26:51.

Five teams participated in Saturday's meet. They were Lincoln, Central Methodist College, UMSL, Southwest Baptist College and UMR. The field consisted of 36 runners. The Cross-Country coaching staff and team would like to thank those people who came out and watched Saturday's action. Following is a list of the point breakdown.

UMR	36
UMSL	78
SWBC	80
Lincoln	82
CMC	105

Women's

Intramural

Tennis

By BETH SPENCER

Paula Flint from Zeta Tau Alpha took first place in the woman's tennis tournament, beating Patti Flack from AWS, eight games to three. Patti Flack then played Johnna Howard from GDI, winning third place eight games to four.

Mary Ann Chambers and Pat Kelly from AWS played Kathey Smith and Marvis Ridgely from Sigma Chi Omega, AWS winning first place eight games to four. Sigma Chi Omega took second and the team of Terri Hogrebe and Celia Conrad from WHA took third place.

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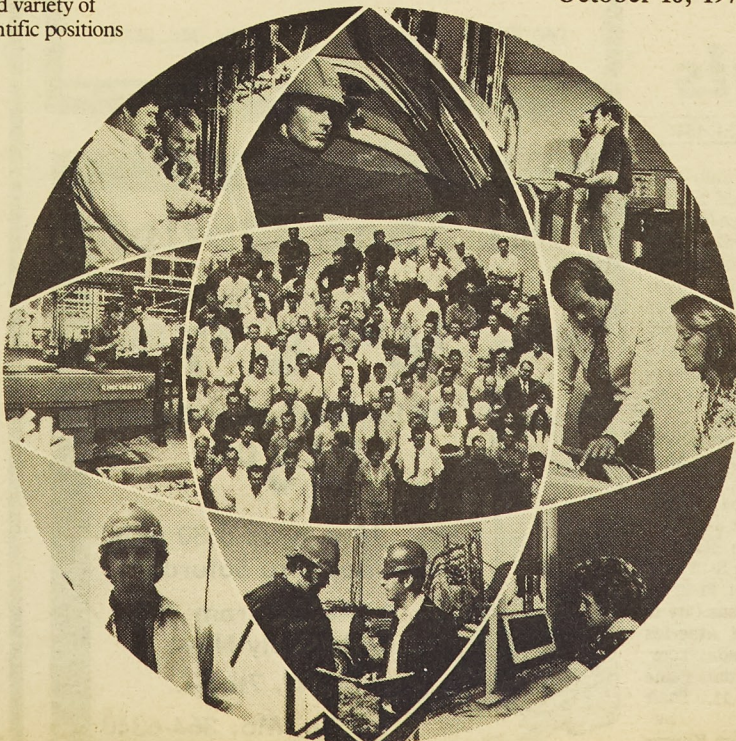
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**On Campus Interviews:
October 16, 1978.**



AWS Takes First In Women's Swimming

By BETH SPENCER

AWS won Intramural swimming over KA last Thursday night, the score being 79-59. Zeta Tau Alpha came in third with a score of 36. The following are the results from the meet:

100 Medley Relay: 1st: AWS — Brumbeyer, Dixon, Canning, Koch. 1:05.72+
2nd: GDI — Mills, Tuckner, Haslett and Treis.

100 freestyle woman: 1st — Dixon AWS 1:06.11+
2nd — Haslett GDI
3rd — Yescavrigee ZTA
100 Individual Medley: 1st — Bromberger AWS 1:10.5+
2nd — Taylor KD
3rd — Koch AWS
50 Free style: 1st — Dixon AWS 29.13+
2nd McCoy Sigma Xi Omega
3rd Jacobs KD
50 yard backstroke: 1st — Rheed KD 39.54
2nd — Mills GDI
3rd — Spencer KD

50 yard breaststroke
1st — Vessell KD 40.027+
2nd — Snyder AWS
3rd — Benschop Sigma Xi Omega
50 yard butterfly
1st Dixon AWS 30.81+
2nd — Kock AWS
3rd — Haslett GDI
100 freestyle relay
1st — AWS: Snyder, Ragsdale, Chambers, Mussner 1:01.30
2nd — KD: Spencer, Jacobs, Ferner Rheed
+ Denotes new women's intramural record set.



The winning AWS girl's intramural swimming team that outclassed all competition with a 79 point team score. The Daughters of Lee (KA) took second with a 59 and Zeta Tau Alpha captured third with a 36 point team score.

(Photo by H. Burford)

Ruggers Rock Royals

RUGBY CLUB RELEASE

The UMR Rugby Club beat the Royals of St. Louis 25-0 for their third win this season. The Miners well balanced attack prevailed again as six players contributed in scoring. Trys were scored by Bob Budenhoelzer, Mike Drew, John Schneider, Rick Webb, and Buck Durham. Harley Meyer kicked one conversion and also drop-kicked a field goal.

The second team was defeated by the Sunday Morning Rugby Club of St. Louis by a score of 26-0. The Miners record stands now at 3-3-0.

This Saturday the Ruggers play the Ramblers in St. Louis. On the weekend of Oct. 21-22 the Miners travel to Kansas City to play in the Heart of America Rugby Football Union Tournament. Their next home game is Sat. November 11. Their opponent will be Rockhurst College from Kansas City.

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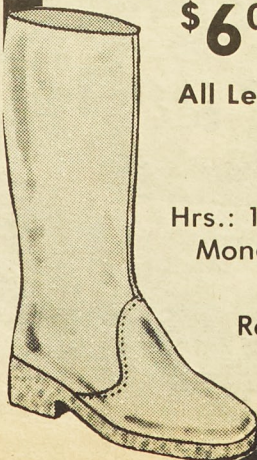
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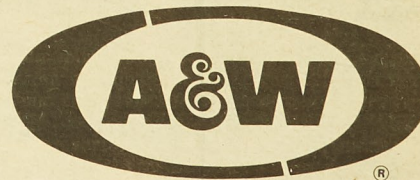
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